AMENDMENTS TO THE CLAIMS

1. (Currently Amended) Antenna made in patch technology including a series of strands (210, 220, 230, 240) located substantially in ~~one and the same~~a single main plane, each of the strands being powered by ~~one and the same~~a single conducting wire (100), ~~characterised in that~~ wherein each of the~~se~~ strands (210, 220, 230, 240) describes an initial segment (~~312~~213) which is radial relative to a geometric axis (X) perpendicular to the main plane, ~~then~~ and each of the strands is extended along a circle arc (214) ~~centred~~ centered on this geometric axis (X), ~~then~~ and describes ~~again~~ a substantially radial segment (216)~~,~~ directed in ~~the~~ a direction of the geometric axis (X), thus running alongside a radial segment (212) of ~~the~~ a neighbouring strand without touching ~~it~~the neighbouring strand.

2. (Currently Amended) Antenna according to claim 1, ~~characterised in that~~wherein the ~~power~~ conducting wire (100) of the strands (210, 220, 230, 240) is constituted by a rigid rectilinear wire (100) merged with the geometric axis (X).

3. (Currently Amended) Antenna according to ~~any one of~~ claim~~s~~ 1 ~~or 2~~, ~~characterised in that~~wherein each strand (210, 220, 230, 240) describes a circle arc (214) according to ~~one and the same~~a direction of rotation around the axis (X), in such a way that for each strand (210, 220, 230, 240) considered, the radial ~~end~~ segment (216) of this strand (210, 220, 230, 240) runs alongside an initial radial segment (222) of a neighbouring strand.

4. (Currently Amended) Antenna according to ~~any one of the previous claims~~claim 1, ~~characterised in that~~wherein the ~~array~~ series of strands (210, 220, 230, 240) describes a circular perimeter of diameter substantially equal to $\lambda/4$ where λ is ~~the~~ a favoured working wavelength of the antenna.

5. (Currently Amended) Antenna according to ~~any one of the previous~~ claims 1, ~~characterised in that~~wherein the antenna also includes a conducting plane (300) parallel to the main ~~geometric~~ plane including the strands (210, 220, 230, 240), which forms ~~the~~ a ground plane of the antenna.

6. (Currently Amended) Antenna according to ~~the previous~~ claim 5, ~~characterised in that~~wherein the ~~power~~ conducting wire (100) is constituted by ~~the~~ a central conductor (100) of a coaxial ~~conductor~~cable, and in that the ground plane (300) is supplied with power by ~~the~~ an external armature (150) of this coaxial conductor.

7. (Currently Amended) Antenna according to ~~the previous~~ claim 6, ~~characterised in that~~wherein the central conductor (100) of the coaxial cable has its end in contact with the strands (210, 220, 230, 240), and the external armature (150) of the coaxial cable has its end in contact with the ground plane (300).

8. (Currently Amended) Antenna according to ~~any one of the~~ claims ~~5 to 7~~, ~~characterised in that~~wherein the ground plane (300) forms a full disk of diameter substantially equal to the diameter of the shape described by the ~~array~~ series of strands (210, 220, 230, 240).

9. (Currently Amended) Antenna according to ~~any one of the previous~~ claims 1, ~~characterised in that~~wherein the strands are four in number, each describing by their circular portion a circle arc (214) describing an angle of about 90°.

10. (Currently Amended) Antenna according to ~~any one of the previous~~ claims 1, ~~characterised in that~~wherein ~~it~~ the antenna has several series of strands (210, 220, 230, 240), each series being formed by coplanar strands in a particular main plane, each of these series of strands (210, 220, 230, 240) describing a general disk shape, and these discs being superposed overlapping each other and with different diameters.

11. (Currently Amended) Antenna according to ~~any one of the previous~~ claims 1, ~~characterised in that~~ wherein several series of strands (210, 220, 230, 240) of substantially equal or different diameter are superposed, the strands being or not being in contact with each other, in such a way that a multi-frequency mode operation is obtained.